How to get GEOS-5 (AGCM) code

The GEOS5 software is managed through the ESMA project in the sourcemotel repository. It may be browsed and/or downloaded from the MAP web site maintained by the Software Integration and Visualization Office (SIVO). Registration is required.

Downloads are available for all the scripts, source code and input datasets needed to build and run the current release of GEOS-5 on the SGI platforms in the NCCS and NAS.

Once an account on sourcemotel has been obtained you will need to be added to the project to check out the code. Please contact one of the SIVO project admins:

Tom Clune: clune

Carlos Cruz: Carlos A Cruz

Before proceeding with the check out and for subsequent usage of CVS commands (see also note below) it may be useful to define the following environment variables:

```
C shell:
setenv CVSROOT
:ext:<userid>@c-sourcemotel.gsfc.nasa.gov:/cvsroot/esma
setenv CVS_RSH ssh

Bash shell:
export
CVSROOT=:ext:<userid>@c-sourcemotel.gsfc.nasa.gov:/cvsroot/esma
export CVS_RSH=ssh
```

The you can check out the code as follows:

```
cvs co -r <TAG> GEOSagcm
```

where <TAG> is the desired GEOS-5 cvs tag (e.g. GEOSagcm-Eros_7_24)

For more information see GEOS-5 GCM revision history for a list of working-tags. As of April 2008, GEOSagcm-Eros_7_24 will be used for MERRA.

NOTE

To avoid having to type your password every time for your CVS/SSH developer account, you may upload your public key(s) on sourcemotel and they will be placed on the CVS server in your ~/.ssh/authorized_keys file. Go to sourcemotel and, under "Account Maintenance (Shell Account Information)", click on "Edit keys".

To generate your public key, run the program 'ssh-keygen' (you can use both protocol 1 or 2). The public key will be placed at '~/.ssh/identity.pub' (protocol 1) and '~/.ssh/id_dsa.pub' or '~/.ssh/id_rsa.pub' (protocol 2). Read the ssh documentation for further information on sharing keys.

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